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### (54) Uv/fluorescence detecting apparatus and sensing method thereof

(57) Providing a UV/fluorescence detecting apparatus and a sensing method thereof which is capable of detecting a fluorescent pattern and an ultraviolet reflection light and small and cheap. Further, providing a UV/fluorescence detecting apparatus and a sensing method thereof capable of detecting a fluorescence of a specific color. The UV/fluorescence detecting apparatus includes a sensor comprising a light source portion including an ultraviolet ray LED for emitting ultraviolet ray through an opening window portion and an ultraviolet ray monitor provided beside this ultraviolet ray LED, a

light detector portion disposed in a chamber partitioned with a partition plate for receiving an incident light impinging through the opening window portion, the partition plate 6a for partitioning between the light source portion and the light detector portion; a transparent body provided on the both opening window portions, a first filter provided on a window portion on projection side of the ultraviolet ray region thereof to pass through and a second filter provided on a window portion on light receiving side of the incident light for allowing the light of a visible light region thereof to pass through.

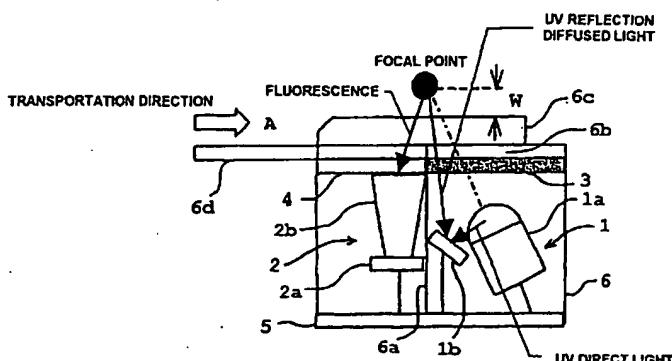


FIG. 3



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| Place of search   | Date of completion of the search  | Examiner  |  |
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